Stormwater Pollution Prevention Plan

For:

General Facility
4321 Main Street
City, ST 88888

Operator(s):

General Contractor
1234 Redwood Road
South Jordan, Utah 84095
801-555-5555

SWPPP Contact(s):

General Contractor
John Doe
Vice President of Construction
801-555-5555
john@doe.com

Emergency Contact:

John Doe 801-555-5000

SWPPP Prepared By:

Engineering Firm Aug 15th, 2009

Estimated Project Dates

Start of Construction: August 19, 2009
Anticipated Completion Date: August 2010

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1.1 SWPPP Owner Certification

Owner Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: John Doe Title: VP of Construction

Signature: _____ Date: _____

Company: General Contractor

Site: General Facility

1.2 SWPPP Operator/Contractor Certification

Operator/Contractor Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: John Doe Title: VP of Construction

Signature: _____ Date: _____

Company: General Contractor

Site: General Facility

Operator/Contractor Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Fred Smith Title: owner

Signature: _____ Date: _____

Company: XYZ Excavation

Site: General Facility

1.3 SWPPP Professional Certification

Professional Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Our Engineer Title: _____

Signature: _____ Date: _____

Company: **Engineering Firm** *Engineering Stamp*:

This plan has been prepared according to the Clean Water Act and represents a planning tool to assist the contractor to comply with environmental regulations during the project construction. The decisions on how to operate the construction site rest solely with the contractor and not with **Engineering Firm**.

Unless otherwise noted, referenced standards and specifications for BMPs included in this document follow recommendations by the U.S. Environmental Protection Agency. If the BMP details are not sufficient, pose a threat to public health or property, or a threat to safety is perceived to exist by using the recommended BMPs, please contact **Engineering Firm**.

2.3 Delegation Letters

Inspector Delegation Letter

Utah Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Attention Executive Secretary:

Our company is designating a qualified storm water inspector with **Engineering Firm** as a specifically described position to be an authorized representative for signing reports and performing certain activities requested by the Executive Secretary or required by UPDES General Permit No. UTR300000 until further notice is provided in writing.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Company Name: General Contractor

Project or Site: General Facility

Signature: _____

Printed Name: John Doe

Title: VP of Construction

Date: _____

BMP Maintenance Contractor/Subcontractor Delegation Letter

Utah Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Dear Executive Secretary:

Our company is designating a qualified BMP maintainer/installer that will be employed by General Contractor. This letter serves to designate the specifically described person or position as an authorized representative for signing reports and performing certain activities requested by the Executive Secretary or required by UPDES General Permit No. UTR300000 until further notice is provided in writing. This authorization cannot be used for signing a NPDES NOI, NOT, or SWPPP certification.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Company Name: _____

Project or Site: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

SECTION 3: SITE EVALUATION, ASSESSMENT, AND PLANNING

3.1 Project/Site Information

Information for the production and development of this SWPPP was gathered, prepared, and monitored to meet SWPPP regulation standards found in UTR300000 Part 3. Refer to sections 3.3, 3.4, 3.5, 3.6, and 3.12 for specific details about the site.

Project/Site Name: General Facility

Project Street/Location: 4321 Main Street

City: City State: State Zip Code: 88888

County or Similar Subdivision: Utah

Latitude/Longitude

Latitude: 50.54321º N

Longitude: 100.54321º W

Method for determining latitude/longitude:

☐ USGS topographic map (specify scale: _____)☐ EPA Website ☐ GPS

☒ Other (please specify): Google Earth

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."
Not Applicable

Is this project considered a federal facility? ☐ Yes ☒ No

UPDES project or permit tracking number: _____

3.2 Contact Information and Responsible Parties

The following is a listing of responsible parties with associated areas of SWPPP control that are required by governing regulations UTR300000 for the State of Utah under the NPDES program. Each owner, operator, contractor, subcontractor, is required to certify this SWPPP in Section 1. Any contractor signing any SWPPP consulting documents (i.e. inspections, action logs, spill response reports, written requests to the DWQ) or maintenance/stabilizing work (i.e. action logs, bmp maintenance/install/repair notification) are required by law to be identified in delegation letters (Section 2.3) sent by the owner or lead operator of this site to the DWQ as referenced in Section 2.

Owner

Owner:

John Doe

General Contractor

1234 Redwood Road

South Jordan, Utah 84095

801-555-5555

John@doe.com

Managing Project Engineer:

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Stormwater Manager and SWPPP Contact(s) if applicable:

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Operator #1

Operator:

??

??

Site Supervisor:

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Stormwater Manager and SWPPP Contact(s) if applicable:

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Subcontractor #1

Subcontractor:

Company or Organization:_____

Name:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Area of control:_____
(if more than one operator at site)

Project Manager(s) or Site Supervisor(s):

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Areas of control:_____
(if more than one operator at site)

Stormwater Manager and SWPPP Contact(s):

Name:_____

Company or Organization:_____

Address:_____

City, State, Zip Code:_____

Telephone Number:_____

Fax/Email:_____

Consulting Firm-SWPPP/Inspection Company

Consulting Firm:

Engineering Firm

Utah Consultant

address

City, UT. 88888

801-543-5432

SWPPP Development, preparation, inspection monitoring, reporting, and training

Site Inspector Listing:

Jane doe, john doe, mike smith, etc..

Engineering Firm

address

City, UT. 88888

801-543-5432

Area of control-erosion, sediment, bmp, SWPPP inspection documentation

Stormwater Manager and SWPPP Contact(s):

Manager

Engineering Firm

address

City, UT. 88888

801-543-5432

3.3 Nature and Sequence of Construction Activity

Nature of Construction Activity

General Contractor is conducting the vertical construction for General Facility. This Construction project will last approximately 1 year as a commercial structure is being built. An UPDES NOI permit is required for the site because more than an acre will be disturbed.

The construction activities will include grading the site, excavation for utilities, installing utilities, and installing roads and sidewalks. Vertical construction on the site will include the construction of one commercial building. The site will be stabilized when construction is complete.

BMPs for all the above activities will be applied to the site when necessary and monitored by the on-site inspector. Additional BMPs will be added if needed.

What is the function of the construction activity?

☐ Residential ☒ Commercial ☐ Industrial ☐ Road Construction

☐ Development

☐ Other (specify): _____

Estimated Project Start Date: August 19, 2009

Estimated Project Completion Date: August 2010

GENERAL NATURE AND SEQUENCE OF ACTIVITY

*See BMP Maintenance and Installation specific chart in Section 3.13

Nature of Construction Activity	*BMPs expected to be implemented*	*Expected Implementation Schedule*
Soil disturbing activities: grading the site, excavating for utilities and the homes, and final grading when construction is complete.	▪ Sediment and erosion control measures ▪ Solid waste management procedures ▪ Materials management procedures ▪ Spill response procedures	▪ Install Erosion/Sediment BMPs before major site work on each lot begins. ▪ Trash bin on site and utilized as work begins ▪ Material management procedures go into effect once materials arrive on the site. ▪ Implement spill response as needed.
Concrete pouring for the sidewalks, curb and gutter, driveways, and the foundations of the homes. Asphalt pouring for the streets.	▪ Sediment/erosion control measures ▪ Dedicated concrete washout areas ▪ Solid waste management procedures ▪ Material management procedures	▪ Install BMPs before major site work on each lot begins. ▪ Dedicated washout area must be in place before concrete placement begins. ▪ Soil stabilization material to be contained on the site. ▪ Trash bin on site and utilized during work. ▪ Material management procedures go into effect once materials arrive on the site.
Vertical construction of Commercial Building.	▪ Sediment/erosion control measures ▪ Solid waste management procedures ▪ Material management procedures	▪ Install BMPs before major construction begins. ▪ Trash bins on site and utilized during work. ▪ Material management procedures go into effect once materials arrive on the site.
Final stabilization with landscaping materials.	▪ Solid waste management procedures ▪ Application	▪ Trash bins on site and utilized during work. ▪ Fertilizer, pesticide and herbicide procedures will

	procedures for fertilizers, pesticides and herbicides	be in effect once stabilization begins.
Others-Define Below		

SEQUENCE OF CONSTRUCTION ACTIVITY

General Schedule of Construction Activities

	Construction Activity	*Approximate Timing of Activity: Development and Residential Construction*
1.	Perimeter boundary sediment controls installed	Days 1-10
2.	Grading the site to prepare for construction activities	11-30
3.	Excavating for utilities	31-50
4.	Installing the utilities	51-100
5.	Installing curbs gutters and sidewalks	101-130
6.	Installing the streets	131-170
7.	Excavation for single family and multi family homes	171-230
8.	Vertical Construction of the single family and multi family homes	231-350
9.	Final grading of the site	351-355
10.	Final stabilization and landscaping	356-365

- Refer to the inspections in section 7.1 and the maps in section 3.12 for details of current construction activities.
- The above schedule is an estimate of phased construction. Actual dates may vary. The full project will be at least three years long.

3.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s):

The soils on site were obtained from the US Department of Agriculture. The soils include General Facility and the surrounding areas. The soil survey was conducted before construction and development began in the area.

LaC	Lakewin gravelly fine sandy loam, 1 to 6 percent slopes	0.5%
LfC	Layton fine sandy loam, 1 to 6 percent slopes	0.2%
PaB	Parleys loam, 0 to 3 percent slopes	20.7%
PK	Pits and dumps	2.7%
SgC	Sterling gravelly fine sandy loam, 3 to 6 percent slopes	0.7%
SgD	Sterling gravelly fine sandy loam, 6 to 10 percent slopes	12.5%
TaA	Taylorsville silty clay loam, 0 to 1 percent slopes	14.8%
TaB	Taylorsville silty clay loam, 1 to 3 percent slopes	4.8%
WbA	Welby silt loam, 0 to 1 percent slopes	17.8%
WbB	Welby silt loam, 1 to 3 percent slopes	10.3%
WbC	Welby silt loam, 3 to 6 percent slopes	10.7%
WeD2	Welby silt loam, extended season, 6 to 10 percent slopes	4.2%

The information about the soils were obtained from the USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Slopes:

The current slopes and the potential erosion/sediment runoff areas with the approximate slope percentages:

There are no slopes on site that exceed 3%. The directional flows on the site with the contour lines are found on the map in Section 3.12.

Drainage Patterns:

The current drainage patterns, noting any significant changes due to grading or fill activities:

The site will be graded to contain most of the storm water on the site. The storm drain system will be installed during construction activities. BMPs will be installed to prevent erosion. Also, BMPs will be installed to prevent pollutants from leaving the site.

Please see site map in section 3.12 for additional slope and drainage information and locations.

Vegetation:

Vegetation is in place throughout the site. Construction is occurring in a former agricultural field. The vegetation will be removed for development purposes. The vegetation will be preserved where it is practical.

3.5 Construction Site Estimates

The following are estimates of the construction site:

Construction site area to be disturbed	4.20 Acres
Total project area	7.58 Acres
Percentage impervious area before construction	0 %
Runoff coefficient before construction	0.17
Percentage impervious area after construction	23 %
Runoff coefficient after construction	0.44

3.6 Receiving Waters

Description of receiving waters:

The receiving body of water is the Creek River. The Creek River is located approximately 0.5 miles west of the site. The Creek River flows north until it reaches the Great Lake.

Description of storm sewer systems:

The storm sewer system is maintained by the City City. The storm drains will be protected with BMPs surrounding the site and when they are installed on site. Other BMPs will be in place to prevent pollutants from leaving the site.

Description of impaired waters or waters subject to TMDLs:

The Creek River is impaired with salinity, total dissolved solids, sulfates, and chlorides. There are no TMDLs on this section of the Jordan River at this time.
www.epa.gov/owow/tmdl/
http://www.waterquality.utah.gov/TMDL/index.htm#approved

Extent of wetland acreage on site:

No wetlands on site according to the US Fish and Wildlife Service website. http://www.fws.gov/nwi/

3.7 Site Features and Sensitive Areas to be Protected

Describe unique site features including streams, stream buffers, wetlands, specimen trees, natural vegetation, steep slopes, or highly erodible soils that are to be preserved:

The vegetation will be preserved where it is practical. There are no slopes on site that exceed 3%. The site will have BMPs in place and monitored to prevent pollutants from leaving the site.

Measures to protect these areas will be noted on the SWPPP Map in section 3.12 and identified/described in Sections 4 and 5 of this SWPPP.

3.8 Potential Sources of Pollution

The following chart listing identifies any and all potential sources of sediment and pollutants that may reasonably be expected to affect the quality of storm water discharges from this construction site. Potential Pollutant, pollutant source, whether or not it is present on site, and the location of any and all pollutants are indicated on the chart below. The SWPPP map in section 3.12 identifies pollutant sources of sediment, erosion, material storage, trash bins, concrete washout bin and waters, other washout waters, and vertical construction areas whereby building materials utilized by trades below will be present. It is understood that construction vehicles that carry pollutants such as street vehicles, fork lifts, skid loaders, large trucks, and tractors will be on many parts of the working site. Best Management Practices to manage and control these pollutants are found and described with details in Sections 4-5 in this SWPPP.

Potential Pollutant Material-**actual pollutant**	Pollutant Source-**Management Practice**	**Found on Site**
Sediment/Total Suspended Solids	Erosion where soil is disturbed because of construction presents potential problems of sediment and suspended solids due to runoff. **Erosion/Sediment controls described on site map and sections 4 and 5 will be utilized.**	√
Soil Stabilization Material	Disturbed areas where slopes or susceptible soil types are exposed. **Install Sediment/Pollutant control where material is present up-slope.**	√
Concrete-white/solid grey-**limestone, sand, pH, chromium**	Concrete found in curb, gutter, sidewalk, walkway, and parking garage areas on project and on vertical footing foundations. **Excess and extra concrete will be cleaned up or dumped in designated area.**	√
Oils-brown oily petroleum hydrocarbon-**Mineral Oil**	Vehicles performing earth moving and construction activities-also steel and drilling work. **Drip pans will be used when changing oil. Also, it will be recommended to not change oil on site.**	√
Asphalt and Paving-black solid-**oil petroleum distillates**	During street production and roofing of structures activities. **Paving operations will not be**	√

	performed immediately before an anticipated major storm event.	
Grease	Vehicles performing earth moving and construction activities-also steel and drilling work. **Clean up where visual and keep equipment clean and wiped down.**	√
Refrigerants	AC units. **Any AC servicing will be performed by HVAC trained technicians.**	√
Excavation Pump Out water-**TSS/Sediments**	Excavated low areas where water could pool. **Pump onto vegetated area or through filter bag to contain sediment.**	√
Fuels-colorless-pale brown/yellow-pink-blue green hydrocarbon-**Benzene, ethyl benzene, toluene, xylene, MTBE, petroleum distillate, oils/greases, naphthalene, coal oil**	Used by vehicles performing dirt work and construction activities. **Secondary containment will be provided for tanks to contain leaks and spills.**	√
Pesticides-insecticides, fungicides, herbicides, rodenticides-various color to colorless/powder, pellets, grains-**Chlorinated Hydrocarbons, organophosphates, carbamates, arsenic**	Pesticides may be used as a preparation before the foundation is poured and for pest control during construction to control fire ants, etc. Herbicides also used for noxious weed control. **Pesticides will be used according to the manufacturer's labeled instructions, and will not be applied just before a storm event. Excess pesticides will be removed from the site once application is complete.**	√
Concrete Curing Compound-creamy white liquid-**Naphtha**	Curing compound will be used as needed. **Concrete contractor will remove remaining compound from the site.**	√
Concrete Washout Waters-grey liquid-**pH**	Concrete trucks or pump trucks. **Wash water from concrete trucks will be washed out at a designated site.**	√
Trash	Trash from empty cardboard, paint, plastic, scrap wood, and metal containers. **Will be properly contained on the site and removed frequently for off-site disposal.**	√
Solvents-colorless, blue, or yellow liquid-**perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates**	Used by utility and painting contractors and will be removed from the site by contractors. **No equipment cleaning allowed in project limits**.	√
Wood Preservative Chemicals-clear amber or dark brown liquid-**stoddard solvent, petroleum distillates, arsenic, copper, chromium**	Used by painting contractor. **Wood preservatives may be stored inside the structure and contractor will remove waste wood preservatives from the site.**	√
Roofing Tar-**petroleum distillates/oil**	Roofing tar will be used to seal flashing during the construction. **Waste tar will be disposed of**	√

	in covered container and the roofing contractor will remove excess tar from the site.	
Stains/Paints-various color liquid-**metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic, petroleum distillates, copper, chromium**	Used by painting contractor. **Paints and stains may be stored inside the structure and the contractor will remove waste paints and stains from the site.**	√
Sanitary Waste Management-**bacteria, parasites, viruses**	Fecal coli form bacteria may occur in surrounding waters as a result of the overflow of domestic sewage or non-point sources of human and animal waste that could impact the river or other water sources. **Portable toilets will be contained on the site in designated areas. Licensed sanitary services will ensure facilities are in working order at all times.**	√
Glue and Adhesives-white or yellow liquid-**Polymers/Epoxies**	Glue and other adhesives will be used in flooring and other similar functions. **Empty containers will be disposed of properly.**	√
Joint Compound	Joint compound will be used to adhere wallboard joints. **Empty containers will be disposed of properly.**	√
Stucco, Painting, Stone, Brick Wash Waters	Home or structure construction area. **Contained on the site in designated areas where possible.**	√
Fertilizers-liquid/solid grains-**Nitrogen, phosphorous**	Fertilizer is seldom used during final site preparation when vegetated areas are sodded or seeded. **Fertilizer will not be applied just before a storm event, and will not be stored on the site for any length of time.**	√
Others-Define Below		

3.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

☐ Yes ☒ No

Describe how this determination was made:

The US Fish and Wildlife Service has available a list of endangered species by state. The list for Utah was found at the below website and is also listed on the following page.
http://ecos.fws.gov/tess_public/StateListing.do?status=listed&state=UT
http://dwrcdc.nr.utah.gov/ucdc/ViewReports/sscounty_20061020.pdf

Referencing Appendix C – Endangered Species Act Review Procedures of the EPA NPDES General Permit, this project is eligible for permit coverage under the certification for endangered species criterion "A." Criterion A. No federally listed threatened or endangered species or their designated critical habitats are in the project area as defined in Appendix C.

1. Determine if Listed Threatened or Endangered Species are Present on or near project. No Federally Listed Endangered or Threatened Species are present in the project area derived from the US Fish and Wildlife Service and the Utah Division of Wildlife Resources.
2. Determine whether or not the construction storm water discharges or discharge related activities could negatively affect listed Threatened/ Endangered Species or Designated Critical Habitat near this project. This project is not likely to adversely impact a listed species or critical habitat based on the initial site inspection and a review of the site location in relation to any known critical habitat by the SWPPP production team.
3. Determine if measures can be implemented to avoid adverse effects. A combination of sediment/erosion/pollutant control BMPs will be installed on this project including material handling, waste management and wash out water controls to avoid adverse impacts from this project on any listed species or critical habitat.
4. Determine if eligibility requirements of criterion B-FF - Subpart 1.3.C.6 are met. No adverse impacts are anticipated from this project- formal consultation and review with the U.S. Fish and Wildlife Service or other regulatory bodies are not required.

Endangered and Threatened Species in Utah County as listed by the State of Utah Natural Resources Division of Wildlife Resources.

The following list is of endangered and threatened species in Utah County. The list also includes species of concern, and species receiving special management to keep them off of the federal threatened and endangered species list.

3.10 Historic Preservation

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

Describe how this determination was made:

Utah County register for Historic Preservation sites is listed below. This site has no information found on this listing.

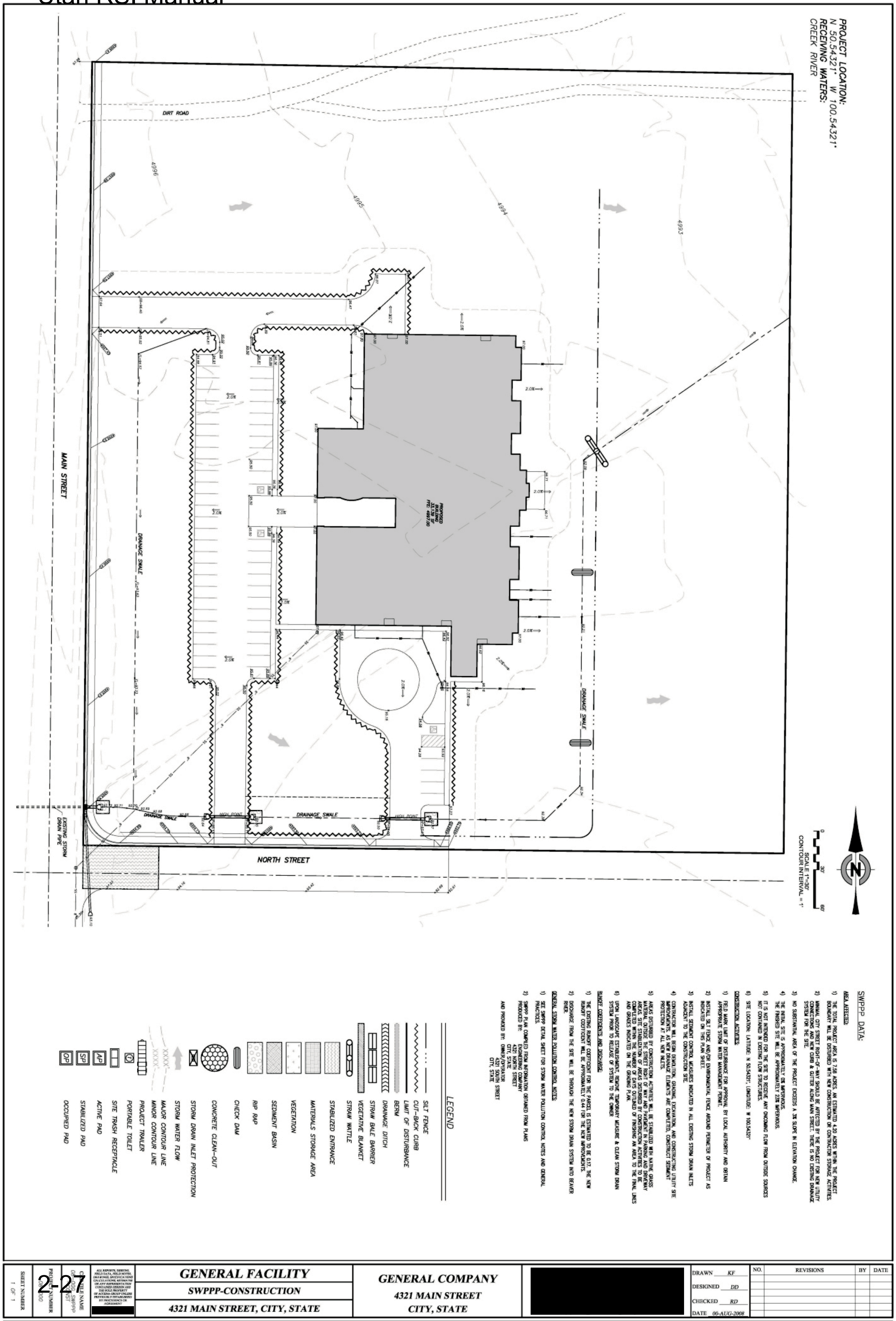
This project will not have a negative environmental impact on a federally listed historic site as certified in the Historic Preservation Report. A list of State and Nationally Registered Historic Sites is included as part of this section. See the following websites: http://history.utah.gov/historic_preservation/national_register/index.html#utahsites and http://history.utah.gov/historic_preservation/documents/NRList.pdf

3.11 General Location Map

In accordance with Part 3.5.1 e) – A general location map (e.g. portion of a city or county map or similar scale) is attached in this section:

3.12 Maps

- The three site maps that are included in this section were prepared based on information provided by XYConsulting Engineering and Surveying and ABC Homes. The first map displays the existing site and the surrounding area where construction will be occurring. This map has the existing contours where the construction activities will be occurring. The second map displays the site during construction activities. This includes the nearby roads, the contours before and after grading, flow arrows, disturbed area, and the BMPs that will be used on the site. The final map shows the site when construction is complete. This includes the contours the roads and home sites. The maps will be updated in the field according to which phase of construction that is occurring.
- **SITE MAPS MAY INCLUDE THE FOLLOWING DETAIL**
- Off Site Flow estimation and direction
- Site Disturbance Estimation-acreage
- Total Site Estimate-acreage
- Percentage of impervious area before construction
- Runoff coefficient before construction
- Percentage of impervious area after construction
- Runoff coefficient after construction
- Direction(s) of stormwater flow and approximate slopes before and after major grading activities
- Slope percentages where grades is => 3%
- Construction boundaries
- Description of existing vegetation prior to grading activities
- Areas and timing of soil disturbance and areas that will not be disturbed
- Natural features to be preserved
- Locations of major structural and non-structural BMPs identified in the SWPPP
- Locations and timing of stabilization measures
- Locations of off-site material, waste, borrow, or equipment storage areas
- Locations of all waters of the U.S., including wetlands
- Locations where stormwater discharges to a surface water
- Locations of storm drain inlets
- Location of outfalls where storm drains lead to our natural drainage leads to off site
- Latitude and longitude
- Name of receiving body of water
- Areas where final stabilization has been accomplished
- BMP Update and maintenance guide in this section


PROJECT LOCATION:
N 50.54321° W 100.54321°
RECEIVING WATERS:
CREEK RIVER
SCALE 1"=30'
CONTOUR INTERVAL = 1'
DIRT ROAD
MAIN STREET
NORTH STREET
DRAINAGE SWALE
EXISTING STORM DRAIN PIPE
PROPOSED BUILDING 33,139 SF FFE: 4997.00
SWPPP DATA:
AREA AFFECTED:
1) THE TOTAL PROJECT AREA IS 7.58 ACRES. AN ESTIMATED 4.20 ACRES WITHIN THE PROJECT BOUNDARY WILL BE DISTURBED WITH NEW CONSTRUCTION OR CONTRACTOR STORAGE ACTIVITIES.
2) MINIMAL CITY STREET RIGHT-OF-WAY SHOULD BE AFFECTED BY THE PROJECT FOR NEW UTILITY CONNECTIONS AND NEW CURB & GUTTER ALONG MAIN STREET. THERE IS NO EXISTING DRAINAGE SYSTEM FOR THE SITE.
3) NO SUBSTANTIAL AREA OF THE PROJECT EXCEEDS A 3% SLOPE IN ELEVATION CHANGE.
4) THE INITIAL SITE IS APPROXIMATELY 0% IMPERVIOUS. THE FINISHED SITE WILL BE APPROXIMATELY 23% IMPERVIOUS.
5) IT IS NOT INTENDED FOR THE SITE TO RECEIVE ANY ONCOMING FLOW FROM OUTSIDE SOURCES NOT CONTAINED IN EXISTING FLOW STRUCTURES.
6) SITE LOCATION: LATITUDE: N 50.54321°, LONGITUDE: W 100.54321°
CONSTRUCTION ACTIVITIES:
1) FIELD MARK LIMIT OF DISTURBANCE FOR APPROVAL BY LOCAL AUTHORITY AND OBTAIN APPROPRIATE STORM WATER MANAGEMENT PERMIT.
2) INSTALL SILT FENCE AND/OR ENVIRONMENTAL FENCE AROUND PERIMETER OF PROJECT AS INDICATED ON THIS PLAN SHEET.
3) INSTALL SEDIMENT CONTROL MEASURES INDICATED IN ALL EXISTING STORM DRAIN INLETS ADJACENT TO THE CONSTRUCTION SITE.
4) CONTRACTOR WILL BEGIN DEMOLITION, GRADING, EXCAVATION, AND CONSTRUCTING UTILITY SITE IMPROVEMENTS. AS NEW DRAINAGE ELEMENTS ARE COMPLETED, CONSTRUCT SEDIMENT PROTECTION AT ALL NEW INLETS.
5) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE STABILIZED WITH NATIVE GRASS MATERIAL OUTSIDE THE STREET RIGHT OF WAY AND PAVEMENT IN PARKING AND DRIVEWAY AREAS. SITE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE COMPLETED WITHIN THE NUMBER OF DAYS OUTLINED OF FINISHING AN AREA TO THE FINAL LINES AND GRADES INDICATED ON THE GRADING PLAN.
6) UPON LANDSCAPE ESTABLISHMENT, REMOVE TEMPORARY MEASURE & CLEAN STORM DRAIN SYSTEM PRIOR TO RELEASE OF SYSTEM TO THE OWNER
RUNOFF COEFFICIENTS AND DISCHARGE:
1) THE EXISTING RUNOFF COEFFICIENT FOR THE PARCEL IS ESTIMATED TO BE 0.17. THE NEW RUNOFF COEFFICIENT WILL BE APPROXIMATELY 0.44 FOR THE NEW IMPROVEMENTS.
2) DISCHARGE FROM THE SITE WILL BE THROUGH THE NEW STORM DRAIN SYSTEM INTO BEAVER RIVER.
GENERAL STORM WATER POLLUTION CONTROL NOTES:
1) SEE SWPPP DETAIL SHEET FOR STORM WATER POLLUTION CONTROL NOTES AND GENERAL PRACTICES.
2) SWPPP PLAN COMPILED FROM INFORMATION OBTAINED FROM PLANS
PRODUCED BY: ENGINEERING COMPANY
4321 NORTH STREET
CITY, STATE
AND PROVIDED BY: OWNER/OPERATOR
4321 SOUTH STREET
CITY, STATE
LEGEND
SILT FENCE
CUT-BACK CURB
LIMIT OF DISTURBANCE
BERM
DRAINAGE DITCH
STRAW BALE BARRIER
VEGETATIVE BLANKET
STRAW WATTLE
STABILIZED ENTRANCE
MATERIALS STORAGE AREA
VEGETATION
SEDIMENT BASIN
RIP RAP
CHECK DAM
CONCRETE CLEAN-OUT
STORM DRAIN INLET PROTECTION
STORM WATER FLOW
MAJOR CONTOUR LINE
MINOR CONTOUR LINE
PROJECT TRAILER
PORTABLE TOILET
SITE TRASH RECEPTACLE
ACTIVE PAD
STABILIZED PAD
OCCUPIED PAD
GENERAL FACILITY
SWPPP-CONSTRUCTION
4321 MAIN STREET, CITY, STATE
GENERAL COMPANY
4321 MAIN STREET
CITY, STATE
[redacted]
DRAWN KF
DESIGNED DD
CHECKED RD
DATE 06-AUG-2008
NO.
REVISIONS
BY
DATE
SHEET NUMBER
1 OF 1

3.13 BMP Maintenance, Installation, and Site References

This log is intended to provide clarifying documentation when updates and changes are made to the site and map. References made on this chart are to the site SWPPP map in the previous section 3.12. Where controls are added, taken away, changed, or repaired-this log will be updated to reflect the fore-mentioned activities.

BMP MAINTENANCE, Installation, and Site References			
Map Notation	BMP or Activity	Activity Date	BMP Activity Completion *Name-Company*
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

SECTION 4: EROSION AND SEDIMENT CONTROL BMPs

The following categories of BMP activity will be implemented to control pollutants in stormwater discharges as details are provided in each area below from sections 1-11.

1. Minimize disturbed area and protect natural features and soil
2. Phase Construction Activity
3. Control stormwater flowing onto and through the project
4. Stabilize Soils
5. Protect Slopes
6. Protect Storm Drain Inlets
7. Establish perimeter controls and sediment barriers
8. Retain Sediment On-Site and Control Dewatering Practices
9. Material Handling and Waste Management.
10. Establish Proper Building Material Staging Areas
11. Any Additional BMP*s*

Appropriate control measures will be defined and sequence of activity whereby they will be utilized noted. Inspection and monitoring frequency for each BMP will follow guidelines set forth under UTR300000 permit guidelines described in Section 8 of this SWPPP. Specific maintenance and inspection procedures that will be undertaken for each specific BMP, including protocols, thresholds, and schedules for cleaning, repairing, or replacing damaged or failing BMPs are outlined in Section 5-BMP Description and Specifications. Responsible staff for implementing and maintaining BMPs is noted in Section 3.2-Contact Information and Responsible Parties.

.

1 Minimize Disturbed Area and Protect Natural Features and Soil

General Contractor is developing and constructing the homes at Thanksgiving Meadows. The site will have BMPs in place to prevent pollutants from leaving the site. The existing vegetation that is in place will be preserved where practical. The associated BMPs are found on the map in section 3.12.

BMP Technique	**Utilized on Site?**	**Rationale**
Boundary Disturbance listed on SWPPP map (3.12)	√	Aids in preserving existing vegetation where clearing and grading is not required. Selected to control erosion and sediment.
Maintain Existing Vegetation to extent practicable	√	Maintaining vegetation provides permanent stability to site areas. Selected to control erosion and sediment.
Stabilized Construction Entrance/Exit Points	√	Managed entrance/access points prevent random entrance/access and the resulting tracking. Selected to control erosion and sediment
Silt Fence	√	Silt Fence will be installed to prevent pollutants from leaving the site.
Others-Define Below		

2 Phasing Construction Activity

The intended construction sequencing and timing of major activities, including grading, excavation, installing utilities, installing curbs and gutters, installing sidewalks, and installing the streets, vertical construction of the single family and multi family homes, and final stabilization are generally described in Section 3.3 and specifically documented on the site SWPPP Maps (Section 3.12) and on all inspection and action log documentation (Section 7).

Because of the relatively small project area, taking into account the low rainfall that exists in this part of Utah-it is not practical to perform phased grading at this site or to build in phases. To minimize potential erosion, only areas necessary to construct entrance/exit points, and access roads to the project will be utilized. If construction activities cease for more than 14 days the site will be temporarily or permanently stabilized.

3-10 etc.

11 Additional BMPs

Describe additional BMPs that may not fit into the above categories.

4.1 Spill Response Prevention and Control Plan

Other than the below procedures and specifications for management of hazardous spill in Section 5, absorbent/oil dry, sealable containers, plastic bags, and shovels/brooms are suggested minimum spill response items that should be on this location.

EMERGENCY NUMBERS

Utah's Division of Water Quality	(801) 538-6146
24-hour DWQ answering service	(801) 536-4123
Utah Hazmat Response Officer (24-hour)	(801)-538-3745
Engineering Firm	(801) 701-6188
Reportable Quantity EPA National Response Center	(800) 424-8802
City City Fire Department	(801) 543-1234
City City Police Department	(801) 534-1234
Emergency	911

A list of hazardous material spill response companies are listed on the following pages.

4.3 Selecting Post-Construction BMPs

Such practices may include, but are not limited to: storm water detention structures (including wet ponds), storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on the site, and sequential systems (which combine several practices). The SWPPP includes an explanation of the technical basis used to select the practices to control pollution where flows exceed pre-development levels. The selected post-controls provide the maximum reduction of potential pollutants after construction is complete based on site and safety considerations. BMP Specifications for design and maintenance of any and all structural post construction storm water management practices are in Section 5 of this SWPPP.

Post-Construction Controls	**Control Utilized?**	**Control Justification**
Storm Water Detention/Retention/Sediment Structures (including wet ponds)		Detention structures are designed to detain the water so that pollutants can settle out. Wet ponds have water in them all year and allow pollutants to settle out and algae to take up the nutrients found in the water.
Flow Attenuation by Use of Open Vegetated Swales and Natural Depressions		Open vegetated swales are used around the structure to carry storm water away from the site. These swales allow for increased infiltration compared to concrete swales.
Infiltration of Runoff Onsite		Vegetated grass and landscaped areas provide for increased infiltration on the site to reduce runoff from the site once construction has been completed.
Permanent Vegetation-Slope Protection, Vegetated Areas	√	Permanent vegetation will be accomplished by seeding the finished area site with a mixture of perennial grass seed; or in desert areas, gravel and native vegetation. This may not be possible at all times due to drought, weather, or time of year (winter).
Permanent Swale		A permanent swale is used to divert run-on or run-off water from the site.
Permanent Diversion Dike		Permanent diversion dikes are similar in function to permanent swales in controlling run-on or run-off.
Storm Drain System	√	A curb and gutter storm drain system or drainage ditch discharge system is installed in every project. The storm water is collected in the street and channeled to either the curb inlet or drainage ditch system.
Sequential Systems (which combine several practices)		A series of swales, retention systems, and vegetation will help reduce post construction flows by increasing infiltration for the site and retaining peak flows.
Biofilters		The use of bio products such as mulch or wood

		chips to filter out pollutants as storm water moves through.
Detention/Retention/Sediment devices (Including dry ponds)		Designed to capture storm water to hold for some time while the pollutants settle out of the water, or for the water to infiltrate into the ground.
Infiltration Basins		A shallow impoundment designed to infiltrate stormwater into the soil. This practice is believed to have high pollutant removal efficiency.
Porous Pavement		Porous pavement with a stone reservoir underneath that temporarily stores surface runoff before it infiltrates into the subsoil.
Outlet protection/velocity dissipation devices		Designed to slow the flow of water to prevent erosion and allow pollutants to settle out of the water.
Others Defined Below		

4.4 Final Stabilization

The construction site initial vegetation consists of landscaped grasses and trees until construction activities begin. Disturbed areas will be stabilized throughout the project with sod, landscaping plants, mulches, seed mixes with mulch, or other landscaping techniques until the final resulting measures of 100% coverage 75% density are achieved. Where construction activities have temporarily or permanently ceased, the area will be temporarily stabilized within 14 days, unless disturbing activities will resume within 21 days, utilizing bmp measures found in Section 5 of this SWPPP.

UPDES UTR300000 permit requirement:

3.5.2 Controls.

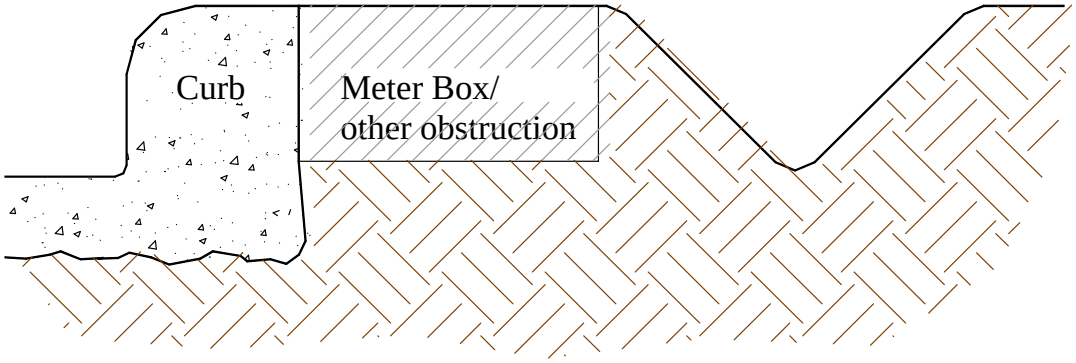
2) *Stabilization Practices. A description of existing interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. SWPPPs should ensure that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geo-textiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Use of impervious surfaces for stabilization should be avoided. Except as provided in paragraphs (A) and (B) below (Parts 3.5.2(a)(2)(A) and (B)), stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days afte*

SECTION 5: BMP SPECIFICATIONS

BMP Specifications that will be used on the site will be inserted in this section.

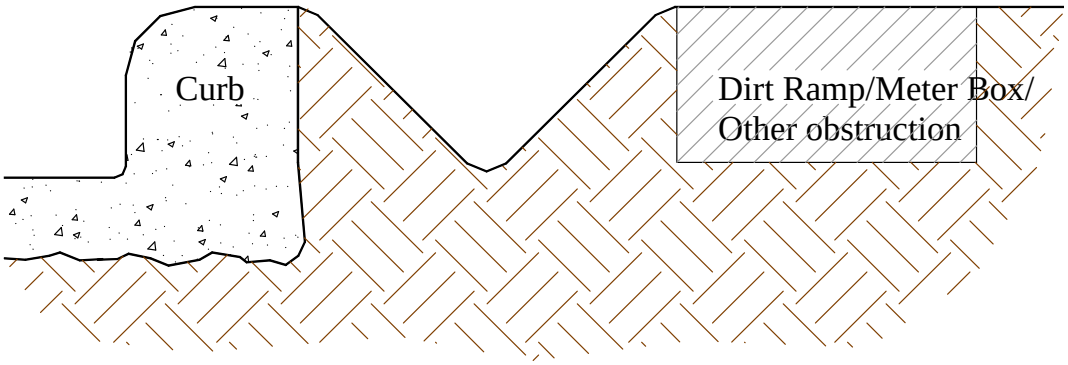
EXAMPLE of 2 specs found below….

V-Ditch Cut Back Curb



option #1

V-ditch behind Water Meter Box or other obstruction.



option #2

V-ditch between Dirt Ramp,Meter Box, other obstruction & Back of Curb.

Description

A temporary sediment trap formed by excavation behind the curb.

Purpose

The purpose is to intercept sediment laden runoff from the lot during home construction and retain sediment on the lot.

Applicability

A cutback curb is installed when discharge from the lot runs over the curb and traditional silt fence or erosion control blanket is not used. It can also be installed at the entrance to the lot when access is needed and silt fence or mesh cannot be placed in the driveway.

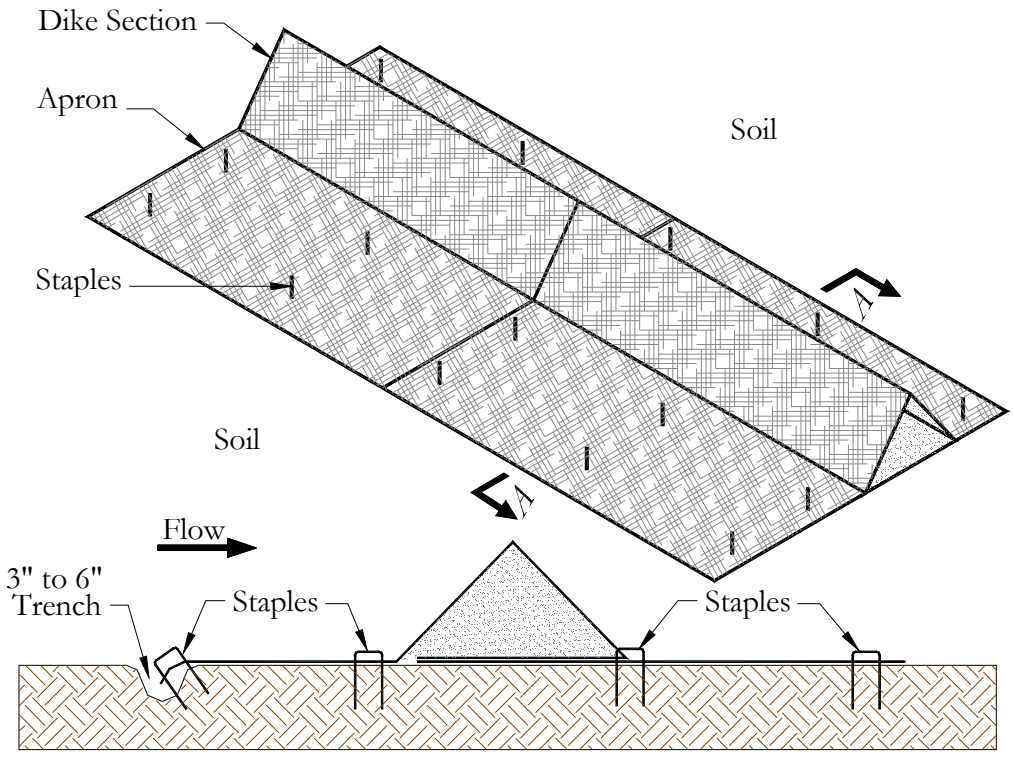
Design/Installation

Cut back the soil from behind the curb 3" - 4" deep (minimum) on the lot side to form a temporary sediment trap. The depth and width may be increased if more sediment storage is needed.

Maintenance

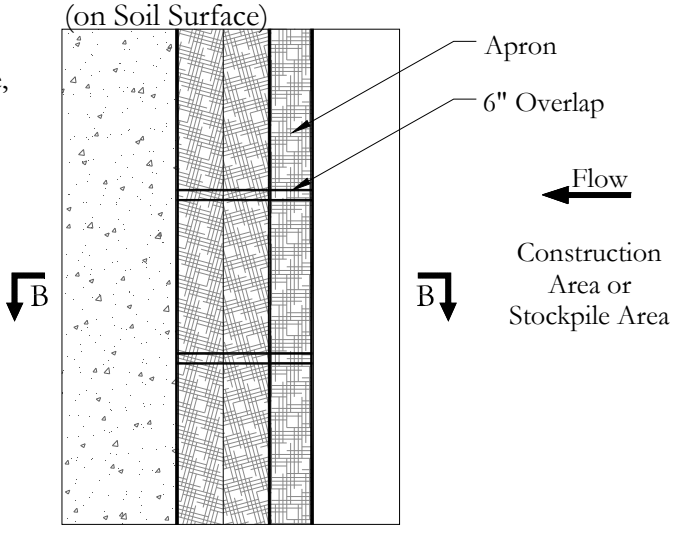
The trap must be cleaned regularly as site conditions or rain events cause sediment deposition in the trap. Do not allow sediment to flow into the street. Allow sediment laden water to infiltrate before cleaning to prevent overflow into the street. If the cutback curb is used in the driveway, do not allow the sediment in the trap to be tracked into the street.

Triangular Silt Dike Barrier

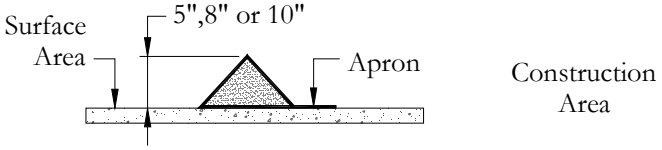


Cross-Section A-A
(on Soil Surface)

Note: If the surface area is concrete, adhesives such as liquid nail or sand bags shall be used. If it is on an asphalt surface, a rubberized asphalt emulsion can be used. The tacking agent must be applied under the full length of the barrier section and the apron.



Dike Section



Cross-Section B-B
(on Concrete or Asphalt Surface)

Source: Triangular Silt Dike Co., Inc.

Description

A Triangular Silt Dike™ is a temporary sediment barrier consisting of urethane foam and geo-textile fabric manufactured in a triangular shape. The dike is designed with protective aprons on both sides of the larger sized 10" and 8" barriers. A sewn seam is on the front upstream side which allows the barrier to be configured in several different applications. It is lightweight, easy to install and reusable.

Purpose

The purpose is to reduce the volume of sediment that is contained in storm water from a construction site with disturbed soil areas.

Conditions Where the Practice Applies

The triangular dike is used on locations where the barrier needs to be around the perimeter or on a portion of the perimeter of disturbed areas having a concrete or asphalt surface perimeter. The runoff from disturbed soil areas will flow onto adjacent properties from these areas. The dike can also be on bare soil, in curves and on rough terrain and can also be used in areas having concentrated flow or sheet flow.

Installation

If the surface area is concrete, adhesives such as liquid nail or sandbags shall be used. If it is on asphalt surface, a rubberized asphalt emulsion can be used. The tacking agent must be applied under the full length of the barrier section and the upstream apron. When using on bare soil, dig a 3"-5" trench along the upstream edge of the apron and staple the upstream edge of the apron to the trench. Back fill the trench with compacted soil. Place staples at equal spacing on the upstream and downstream apron in accordance with the manufacturer's recommendations. Use a 10" high barrier for concentrated flow areas such as ditches. The 10" or 8" barriers with both aprons are recommended in heavier traffic areas and when it is necessary to protect the downstream side from erosion caused by overtopping. The 5" barrier shall be used for smaller and flatter runoff areas such as curbs where the downstream apron is not required to protect the downstream side from erosion caused by overtopping.

Maintenance

The upstream edge must remain glued to the pavement in order to keep sediment from flowing under the dike. Damaged sections must be replaced immediately. Sediment must be removed when it reaches a depth of 1/3 of the height. Check periodically and after each rain event. When placed on soil, the upper edge of the apron must remain trenched in order to prevent sediment from flowing under it. If the dike will not be reused, it must be discarded in a proper location and manner.

SECTION 6: Recordkeeping and Training

6.1 Recordkeeping

The following is a list of records you should keep at your project site available for inspectors to review:

- Dates of grading, construction activity-Sections 3.3, 3.12-.13, 7
- Dates when major grading activities occur-Sections 3.3, 3.12-.13, 7
- A copy of the construction general permit-Section 8
- The signed and certified NOI form or permit application form-Section 9
- A copy of the letter from the EPA/State notifying you of their receipt of your complete NOI/application-Section 9
- Inspection reports-Section 7
- Records relating to endangered species and historic preservation-Section 3.9-3.10
- Delineation of Responsibilities-Section 1, Section 3.2
- Delegation Letter-Section 2.3
- Responsive (Corrective) Action Logs-Section 7
- BMP Maintenance Logs-Section 3.13, Section 7
- SWPPP Certification-Section 1
- Updated site SWPPP map-Section 3.12
- Dates when construction activities temporarily or permanently cease on a portion of the site-Section 3.3, 3.12-.13, 7

6.2 Log of Changes to the SWPPP

This SWPPP will be amended, changed, and updated on an as needed basis to account for changing site conditions. The SWPPP map will be updated in Section 3.12 to reflect pollutants on site with applicable controls while providing dates of activity. Dates related to specific and ongoing construction activities such as major grading activities will be found in Sections 3.3 and Section 7 of this SWPPP. Any changes or additions regarding new BMPs (Section 4,5), replacement of failed BMPs (Section 3,4), significant changes in the activities or their timing on the project (Section 3.3, 3.12{map}), changes in personnel (Section 3.2), changes in inspection and maintenance procedures (Section 7), and updates to site maps (Section 3.12), etc. will be updated respective to each of the sections referenced in this SWPPP.

6.3 Training

Training Attendee Name	Title of Training/duration	Date of Training
John doe (Example)	Storm Water Management/1.5 hours	1/15/08

- ***Please attach any other training documentation for your staff or contractors/subcontractors here.***

SECTION 7: INSPECTIONS and MAINTENANCE

7.1 Inspections

1. Inspection Personnel are listed in section 3.2 of this SWPPP. Inspector qualifications are listed in section 7.4 of this SWPPP.

2. Inspection Schedule and Procedures

☐ *At least once every 7 calendar days; or*

☒ *At least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.*

☐ Other (i.e. different city requirements): _____

_____

Inspections will be conducted on this project in accordance with applicable governing UPDES regulations, and individual municipal regulations. Inspections will be conducted by qualified inspectors from **Engineering Firm** and will be conducted at least once every fourteen calendar days, and within 24 hours of the end of a storm that is 0.5 inches or greater. Where sites have been finally or temporarily stabilized, runoff is unlikely due to winter conditions (e.g. site covered with snow, ice, or frozen ground), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0-10 inches) and semi-arid areas (areas with an average annual rainfall of 10-20 inches) such inspection shall be conducted at least once every month.

3. Below is a copy of the inspection report and action log used for this site.

Engineering Firm Inspection

Construction Site Inspection (includes development and all construction activities)

Client Name:
Project Name:
Project Contact:
Date of Inspection:
Inspector:
Weather Conditions during inspection:
Weather Conditions since last inspection
Site Activity:

Inspection Questions – Inspection Answers

1 - Is there a SWPPP on the site certified by a professional storm water company or person?

a. Yes
b. No – explain

2 - Has an NOI permit been filed for construction activities specific to this project and location and is this permit in the SWPPP?

a. Yes
b. No - explain

3 - Are the certification pages in the SWPPP signed by the owner and operator of the project according to local/state/ federal signature standards?

a. Yes
b. No - explain

4 - Are qualifications listed in the SWPPP for the person inspecting the site?

a. Yes
b. No – explain

5 - Has a delegation of inspection responsibilities been submitted to the proper authorities and recorded in the SWPPP?

a. Yes
b. No - explain

6 - Is there a posting notice on site that signifies where the SWPPP and permit are located, and the person to call for SWPPP questions on this site?

a. Yes
b. No – explain

7 - Is site FREE from any discharges of sediments (ie: erosion/stockpiles) or pollutants (i.e., fuel, concrete waste/washout waters, stucco waste, portable toilet, trash, debris, etc.) leaving site boundaries or perimeters (i.e. lot boundaries, into streets, parking areas, or site perimeter boundary)?

a. Yes
b. No – explain

8 - Are current erosion/sediment controls (BMPs) adequate to keep any sediment or pollutants from leaving site boundaries or perimeters?
a. Yes
b. No – explain

9 - Are impervious surfaces FREE from evidence of tracking of sediment/pollutants(roads, ramps, sidewalks, parking areas, etc.)?
a. Yes
b. No – explain

10 - Are all construction traffic access/exit points stabilized properly?
a. Yes
b. b. No – explain

11 - Is the site FREE from any offsite (i.e. stream, creek, or concentrated flows onto the site) flows entering the construction site and causing erosion?
a. Yes
b. No – explain

12 - Is the site FREE from any conditions that would require dewatering off site perimeter boundaries (i.e., any water on the construction site that needs to be discharged off the site perimeter boundary or into the storm drain system)?
a. Yes
b. No - explain

13 - Are BMPs implemented on site described/depicted in the BMP section of the SWPPP?
a. Yes
b. No – explain

14 - Are BMPs utilized on site able to be noted on the SWPPP map (are the SWPPP and site consistent with each other)?
a. Yes
b. No - explain

15 - Has the construction BMP implementation schedule been updated to reflect new activities that could produce a potential storm water impact requiring BMPs?
a. Yes
b. No – explain

16 - Is the site active with no temporary or permanent delay in construction activities that exceeds 14 days?
a. Yes

b. No – explain

17 - Are all pollutants/hazardous materials (fuel,concrete waste/washout waters, stucco waste, paint, portable toilet, trash bin etc)/spoils/stockpiles on site identified on the SWPPP map?

a. Yes
b. No – explain

18 - Have all BMPs identified in the SWPPP been removed where they are no longer needed?

a. Yes
b. No - explain

19 - Are future inspections still needed?

a. Yes
b. No - This is a final inspection.

Notes: Describe in detail the outcomes if a regulatory inspection has been conducted.

Include location of SWPPP, if the SWPPP was accessible and updated. Who the CAL was reviewed with (either on site, or on the phone). Any notes for the site i.e. tracking from neighboring builder, dirt piles are from individual home owners doing landscaping, or anything else that is important and needs to be noted.

Inspector Certification Statement:
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Inspector Name	Inspector Title	Date of Inspection

7.2 Corrective Action Log

This log example, when completed during regular inspection intervals, will note by date and describe locations of new bmp items, bmp repair items and replacement items as part of maintaining all site BMPs to the maximum extent practicable as applied to governing storm water regulations. Additionally, responsible parties identified in Section 2.2 will continuously initial and date corrected items. An **Engineering Firm** inspector will verify this action on each action log.

- *Please find attached below a copy of the action log.*

Engineering Firm Action Log

Action Log (includes development and all construction activities)

Client Name:
Project Name:
Project Contact:
Date of Inspection:

Action Needed
DATE COMPLETED: INITIAL:
DATE VERIFIED:

7.4 Inspector Qualifications

The qualifications of any inspector who has inspected the site according to the Utah Pollution Discharge Elimination System (UPDES) permit regulations will be located in this section.

UPDES UTR300000 permit requirement:

3.5.4 Inspections

d. Inspections must be conducted by qualified personnel (provided by the operator or cooperatively by multiple operators). "Qualified personnel" means a person knowledgeable in the principles and practice of erosion and sediment controls who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activity.

SECTION 8: Permit Regulations

8.1 UPDES Permit Regulations

The following is the UPDES permit regulations that were obtained from http://www.waterquality.utah.gov/UPDES/SWCON02.pdf

8.2 City Storm Water Ordinance

SECTION 9: Copy of NOI/NOT specific to site.

Insert copy of NOI for site-Will be filed as soon as obtained.

Insert copy of the NOT when the site is stabilized or responsibility for the site has been transferred to a new operator who will file for their own NOI.

SECTION 10: SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A- Out of Date Site Maps

Appendix B- Expired Permits

Appendix C- Other SWPPP Documentation